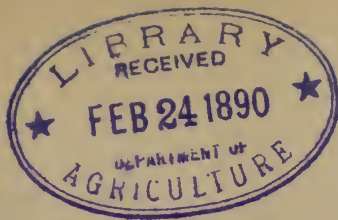


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FEBRUARY 19, 1890.

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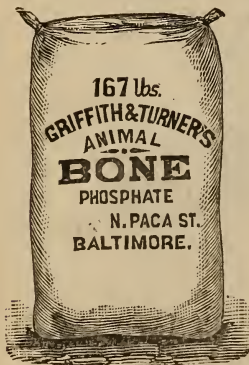
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AND NEW FARM.

Vol. XXVII. BALTIMORE, February 19, 1890. No. 8.

POULTRY

and

POULTRY KEEPING,

by

H. R. WALWORTH,

Editor of The Maryland Farmer.

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CHAPTER I,

INTRODUCTORY THOUGHTS.

Just as in the case of any other pursuit, Poultry keeping requires experience to insure success. It often takes several years to gain this needed experience, by those who neglect to profit by the writings of practical poultrymen.

Many failures, and more cases of discouragement, result from this want of

experience and, what often accompanies it, the disposition to disregard the experience of others.

The Poultry business is not heavy work, and the feeble can often find renewed strength and health in the caring for poultry. But it is exacting. It requires constant attention. From the earliest dawn until dark the care must be exercised.

Sometimes, from neglect, the cleaning of coops and houses may become burdensome; but a little work every day will avoid this accumulation and the labor will be light, easily accomplished; in fact a pleasure instead of a burden.

As in the prosecution of all kinds of enterprises, those who find the business of Poultry keeping congenial—who take pleasure in the care of poultry, who become interested in them aside from any gains expected, are the most successful.

It is of course right to expect gains even larger than from most other occupations

and to work with the most loving interest in the flock you are raising. The success which follows will be crowned by gains as a matter of course.

Poultry figures are generally not to be depended upon. All calculations regarding poultry are specious in their character. When the largest allowances have been made, you are still in the dark. "Counting your chickens before they are hatched" is rightly one of the best proverbs on the tongues of the people.

Those who begin to figure on the results of the business are generally carried away by the highest expectations of success. The figures are truly remarkable in producing a certainty of success. Do not be too sanguine. Wait for the reality.

Much disappointment is caused by the glowing accounts in the current poultry literature of the day. Farm papers are greatly to blame for this, and papers devoted to poultry keeping often publish remarkable statements of success while making no record of failures.

It is certain that no one should expect a support from Poultry keeping until a thorough experience has been gained. It requires time to enable one to attend properly to the large number necessary to bring in a sufficient income to support a family.

To the beginner the discouragements will be many. The delay in getting eggs; the want of hens to set and the consequent delay in getting young chicks; the various ailments in the flock and among the chicks—such as cholera, roup, gapes, etc.

But these are only trifles to the experienced. A cause may always be discovered, and it should be hunted up carefully and noted, so that in the future it can be guarded against. It is not a matter to prevent you from persevering in the business. Obstacles occur in every pursuit, why not in poultry keeping?

Watch your flock. Become acquainted with its wants so that you may be able to supply them; observe the habits of your best birds so that you may take advantage of them; catch the first symptoms of disease so that you can guard against it.

Nothing will take the place of this familiarity acquired by observation and study of your flock. Your knowledge thus obtained enables you to go forward with your work understandingly, improving from day to day.

It is certainly a fact that a large profit can be realized by anyone who thoroughly understands the poultry business, and gives it his personal attention. But it comes after a long apprenticeship which has brought this knowledge of details.

One cannot jump into the business *de novo* and expect a remarkable success. The word "apprenticeship" conveys the right idea. Practical experience develops the full value of the business and this is absolutely necessary.

To suppose that little or no capital is needed in Poultry keeping is quite an error. When a few are kept it is all very well; they live on the scraps from the table with an occasional feed of grain. But nothing can be founded on this fact.

If enough are kept to add a considerable amount to one's income, capital is needed as in any other business—a little to begin with, but enough to keep pace with a rapid increase of the flock and the consequent expenses.

No worry or trouble may be anticipated in reference to markets. The produce of Poultry keeping is always in demand, and the sales are quick. It should be well known that millions of eggs are imported every year from foreign countries and then the demand is not fully met.

Prices of course vary to a considerable extent and eggs bring from 10 to 60 cents a dozen, while spring chicks at 40 or 50

cents a pound offset the 8 to 20 cents a pound of mature poultry. In each case however there is still a profit to the producer.

We frequently read statements that persons are in Poultry keeping and realizing large profits, who spend their time in the city in other business and only have a few minutes morning and evening to devote to it.

Do not, however, imagine that Poultry will take care of themselves. If these business men have no one to look after their Poultry keeping, the flock must be a very small one indeed.

The flock when small in number may not require all your time; but as it increases in size and importance it certainly

will need more and more attention until your whole time will be occupied.

Nature says:

Poultry must scratch.

Poultry must roll in the dust.

Poultry must hunt insects and food.

Poultry must hide their nests.

Poultry must keep themselves clean.

Poultry must free themselves from vermin.

Poultry must have a warm house in winter.

Poultry must have a cool house in summer.

Poultry must keep their feet dry.

Poultry must drink little and often.

Poultry must have gravel.

Poultry will seek the highest roost.

Poultry love to ramble.

Working in harmony with nature will help us to success.

STOCK FOR THE FARM.

Address any of this list of Breeders and Dealers and you will find a prompt answer if you mention the Maryland Farmer. We believe every one of them to be reliable.
—Editor Md. Farmer.

Reid Brothers, English Shires, Clydesdales, Shetland Ponies, Janesville, Wis.

Geo. F. Davis & Co. Originators Victoria Swine. Stock for sale. Dyer, Ind.

E. H. Smith, Standard bred Horses, Fancy Pigs and Poultry. Salem, N. J.

J. C. & D. Pennington. Registered Jersey Cattle. Paterson, N. J.

W. E. Pendleton, Choice Yorkshire Swine. Agt. New London, Conn.

For the Maryland Farmer.

STOCK ON THE FARM, IX.

A general view of this subject brings to light many facts which tend to strengthen

the different thoughts I have given in these articles.

I have espoused the idea that it is necessary to sell our crops on foot as far as is practicable, as this is the only way of realizing a reasonable price for our grain.

While I know that beef and pork are low in price, I still know that mutton is profitable, poultry pays, and good horses are large cash producers.

To make our farms bring the largest income from present crops improvements must be used which will enable them to sustain as large a number of live stock as possible. On this account the silo and ensilage must enter into the practice of our farmers.

Objections urged against these are all founded upon mere theories for which in

practice we find no support. We must, indeed, reduce everything of this nature to the test of experiment on the farm, and when it is found of great practical value, why trouble ourselves about theories against it?

The same may be said about your former correspondent, Dr. Sharp, and his cotton seed meal. It will bear the test of actual use, and that is better than theory. It is just as much a vegetable production as corn, or wheat, or oats, or barley, or sorghum.

I suppose these things were all annual weeds once upon a time; but they have no right to feel aristocratic because they have been improved and become useful to man and beast.

If cotton seed cake, cotton seed meal and cotton seed hulls can be used to advantage, why not use them? just the same as we would wheat bran or corn meal? Ah, Doctor, practice is better than theory every time.

I look upon these things from the paying-stand-point altogether. They have been sufficiently used at home and abroad to show our farmers their value, and we in Maryland and all through the South should certainly have the advantage of, profit by, the use of a food which is eagerly purchased in foreign countries and throughout the northern states.

By the use of all the approved advantages which have recently been introduced as to the best use of the crops we grow, and by the use of vastly more in number of cattle than ever before, we find one element of future success.

Another element is in the introduction upon our farms of improved stock of all kinds.

Improved horses, especially of the heavy breeds which are constantly in demand, and more certain than the attempt to secure racers.

Improved cattle, for the shambles and for milk and butter production, which are just as certain to bring returns as are the draught horses.

Improved hogs, with constitutions fortified against the diseases which are such a drawback to the hog industry of our country.

Improved sheep, where mutton holds an equal rank in profit with the wool.

Introduce these improved breeds even to Poultry and Bees, and the door is thus opened for successful farming, even in this Eastern land where the sale of corn and wheat in competition with the West is impoverishing us.

NISBET.

PROMPT REMOVAL OF MANURE

We will not trouble our readers with the chemical reasons for the prompt removal of manure; but wish to say, take it away at once. Every hour it remains, it is an injury to the animals who are forced to occupy the stalls.

The horse or the cow loses that sleek, glossy appearance which is so attractive to the most indifferent observer. The horse loses pride, animation, spirit, and soon becomes old before his years would warrant it. The cow lazily chews her cud and her milking qualities diminish and she ceases to care for cleanliness.

The harnesses lose their pliability and gloss, and carriages rapidly take on an old forsaken appearance when exposed to the fumes of manure.

Are not all these reasons enough to have it taken care of often and removed from the possibility of doing harm.

For a Disordered Liver try Beecham's Pills.

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 Reading notices twice the price of advertisements.

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LIVE ISSUES.

In all parts of our country the farming interests are coming to the front.

The fact is becoming more and more manifest that the prosperity of every department of human occupation depends upon the success of husbandry.

Where farms are abandoned and the farming is "going to the dogs" because of low prices for farm produce and the general depression consequent upon misrule, ruinous legislation, or lack of legislation, the whole community must eventually suffer.

In our own State the issues are of this general character; but they are also of specific importance.

We need to place in position men of the

right stamp, every time, to carry out specific ends.

We must have men who will place these movements on the right basis as belonging to the success of the farmer.

We need some vital reforms in connexion with the great movements in our State, viz:

1. Farm Legislation.
2. Food Legislation—Adulteration and frauds.
3. Taxation of Farmers.
4. Agricultural Fairs and their improvement.
5. State Expositions on a better basis.
6. Additional use of Agricultural College and Experiment Station, and many other subjects.

We wish to labor for these and any other of the great interests which the farmers believe necessary to secure their prosperity.

POULTRY. The first number in March will be our Poultry number for 1890. Our issue will be largely in excess of our regular edition and will reach those who are interested or becoming interested in the subject.

Advertisements in the Poultry interests will be a specialty. They will be inserted at \$1.00 an inch; and no advertisement will be accepted for less than 50c the single insertion.

We send this marked to you as an invitation to send us your advertisement for this poultry number.

Having made such arrangements that we can supply any of our readers with facilities for procuring homes, either in the city or in the country, we would ask that they make their wants known to us.

The wide range over which this magazine extends will enable us to gather information from Maine to California, and to meet almost every case without cost to you.

KENT COUNTY FARMER'S LEAGUE.

This body met at Chestertown, February 18, with a goodly number in attendance, and they took action on several county matters of expenditure, which was an exercise of their good judgment in practical affairs. They also voted on the subject of taxing mortgages, and decided that it was in their opinion the right thing to do.

Farmer's Leagues should be formed in every district in every county in our State, to take practical and political action on all these subjects which affect their welfare.

It is a small matter apparently for a few farmers to get together and express their opinion and send it to the county paper for publication: but when from every part of the county comes the same decided opinion it begins to have weight, and if from all over the State the voice rings out there is a force which few will withstand and those who do withstand it, do it at their peril.

Form Farmer's Leagues wherever a few of you can get together, and meet whenever the occasion offers and discuss those things which will better your condition, and speak your word boldly no matter what politician it may strike. You work not for yourselves alone; but for every member of your family who suffers in the injustice which oppresses you.

MONUMENT TO MARY, THE MOTHER OF WASHINGTON.

The following letter comes to us with an appeal that we call attention to the fact

that the half completed monument should have the contributions of a grateful people:

Dear Sir: will you read the enclosed, and out of respect to the memory of a great and good woman, call the attention of your readers to a neglected duty and a National disgrace?

MARION HARLAND.

As the writer of the above letter has set us the example, we cheerfully promise to give 50 cents of the subscription of every NEW SUBSCRIBER received during the next six months, who sends us \$1.00 for the year and writes at the same time, "For Mary Washington Monument."

BOOKS OF PETER HENDERSON.

Perhaps no books ever written were more practical than those of the late Peter Henderson. We can supply them to our subscribers post paid as follows:

	Cash.	Premiums for subscribers.
Gardening for Profit	\$2.00	4
Gardening for Pleasure	2.00	4
Practical Floriculture	1.50	3
How the Farm Pays	2.50	5
Garden and Farm Topics	1.00	2
New Hand Book of Plants and General Horticulture issued Feb. 1, 1890.	4.00	8

Consumption Surely Cured.

To the Editor:—Please inform your readers that I have a positive remedy for consumption. By its timely use thousands of hopeless cases have been permanently cured. I shall be glad to send two bottles of my remedy FREE to any of your readers who have consumption if they will send me their Express and P. O. Address. Respectfully, T. A. Slocum, M. C., 181 Pearl St., N. Y.

Renew your subscription.

WINDBREAKS ON FRUIT PLANTATIONS

A General Summary of Professor Bailey's Recent Interesting Report.

A study of windbreaks in their relation to fruit growing, has been undertaken by the horticultural department of Cornell university. While the recent report on the subject, by Professor Bailey, relates to windbreaks in the northeastern states, some of the principles laid down are of general interest. Following is the general summary made by Professor Bailey:

1. A windbreak may exert great influence upon a fruit plantation. 2 The benefits from windbreaks are: Protection from cold, lessening of evaporation from soil and plants, lessening of windfalls, lessening of liability to mechanical injury of trees, retention of snow and leaves, facilitating of labor, protection of blossoms from severe winds, enabling trees to grow more erect, lessening of injury from the drying up of small fruits, retention of sand in certain localities, hastening of maturity of fruits in some cases, encouragement of birds, ornamentation.

3. The injuries sustained from windbreaks are: Preventing the free circulation of warm winds and consequent exposure to cold, injuries from insects and fungous diseases, injuries from the encroachment of the windbreak itself, increased liability to late spring frosts in rare cases. (a) The injury from cold, still air is usually confined to those localities which are directly influenced by large bodies of water, and which are protected by forest belts. It can be avoided by planting thin belts. (b) The injury from insects can be averted by spraying with arsenical poisons. (c) The injury from the encroachment of the windbreak may be averted, in part at least, by good cultivation and by planting the fruit simultaneously with the belt.

4. Windbreaks are advantageous wherever fruit plantations are exposed to strong winds.

5. In interior places, dense or broad belts of two or more rows of trees are desirable, while within the influence of large bodies of water thin or narrow belts, comprising but a row or two, are usually preferable.

6. The best trees for windbreaks in the northeastern states are Norway spruce and Austrian and Scotch pines, among evergreens. Among deciduous trees

most of the rapidly growing native species are useful. A mixed plantation, with the hardiest and most vigorous deciduous trees on the windward, is probably the ideal artificial shelter belt.

SUCCESS IN HANDLING SHEEP.

A Few Facts Worthy of Every Sheep Breeder's Attention.

One great secret of success in breeding sheep is to keep them at all seasons of the year well graded and sorted up as to age and physical condition. The lamb flock, if composed of only one hundred, will need some weeding out; there will be some inferior lambs; take these out and put them in a small pasture lot by themselves, and if possible sell them to the first buyer that comes along. Your flock of lambs is more valuable without them. Like all young and growing stock, the lamb must have the best of care and attention from the time it is dropped until it is one year old, if you expect to make it a profit. Our good results have all come from lambs under these conditions.

Proper feeding is a matter of particular moment. Sheep are peculiar as to their taste for food. They will not eat what does not suit them, and, if their likes and dislikes are not humored, will lose in flesh rapidly. Our most successful sheep breeders in New England and the middle wool growing states advocate feeding sheep three times daily, but only as much as they will eat up clean. Too liberal feeding is a mistaken kindness, and when carried to extremes the results are very injurious. Another matter of paramount importance is that you keep plenty of salt before your sheep. They will eat but a very little at a time, but they need it often, and it is very healthy. Besides, the cost is a mere trifle.

Muck as a Fertilizer.

Muck is principally valuable as an absorbent of manures after it has been dried. Its value when used alone, says The Southern Cultivator, very truly, depends on its origin. If from decayed forest leaves and other plants, it is of considerable value; if from mosses and sedges, or largely composed of sand, it is of little value. It may pay to dry it in heaps and haul it to the nearest land that needs vegetable matter.

Now have the best of shelter for all your stock. The shed for sheep should be well littered and perfectly dry under foot.

EXPERIMENT STATION BULLETIN No. 2.

Experiment Station Bulletin No. 2, published by authority of the secretary of agriculture, J. M. Rusk, is a digest of the annual reports of the agricultural experiment stations in the United States for 1888. Part I of this bulletin covers over 250 pages, and treats by itself the report of each station, with only such comment as is necessary to connect the several parts. The financial reports of the stations have been reserved for Part II.

A review of the present digest of annual reports of the stations leads to several conclusions regarding the experiment station enterprise in the United States, of which the following are noted in the introduction: First, it is observed that the reports are not a fair exhibit of a year's work. Most of the stations are new. Of fifty-seven stations now in operation only twenty were organized previous to 1888, when the act of congress providing \$15,000 per year for each state for the purpose came into effect, and it was not until the spring of that year that the appropriation was made available. Much of their first effort was devoted to such preparation as precedes the actual work of investigation.

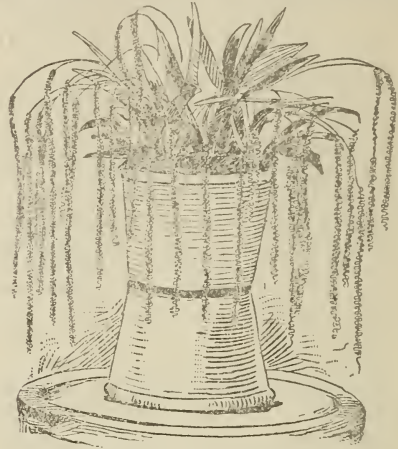
The prospects of the experiment station enterprise is, it is claimed, on the whole encouraging. As regards the scientific character of their work, our stations are doing just what the European stations did in their early experience, they are selecting questions of immediate practical interest and studying these in the most direct ways, because they feel that they must, and neither they nor their constituencies have found by actual experiment how often this method fails. Most of our stations are connected with educational institutions, where experience shows that their work is most advantageously done.

This bulletin is rendered easy for reference by the completeness of its index. The table of contents at the beginning of the book presents the reports of the individual stations according to states in alphabetical order. At the close of the volume appear an index of names and an index of subjects. Later on will appear on this page additional notice in reference to the various individual station reports.

The Farmer's League is a non-partisan political League to secure such laws as will benefit the farmer from the State and from the United States.

A PRIZE ORCHID.

A Long Island florist recently called attention, in Garden and Forest, to the remarkable and little known orchid here depicted. It was introduced from the Philippine Islands as far back as 1836, but being somewhat difficult to import



A REMARKABLE ORCHID.

owing to its thin and fleshy bulbs, which easily dry or rot off, is today still comparatively scarce.

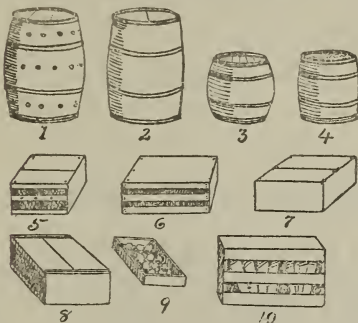
The finely grown specimens of *Dendrobium filiforme*, the orchid here represented, received the first prize as the best single orchid at an exhibition of the Massachusetts Horticultural society in June last. It came from a fine collection in Brookline, Mass., where it was grown. The plant had altogether forty-eight flower spikes, most of them being over a foot long.

A specimen of this size is rarely met with and presents a spectacle not soon forgotten. The individual flowers are small and of a rich yellow color, but they are so abundant and so closely set that they fully justify the name of "The Golden Chain," which has been given to the plant.

Nordmann's Silver fir is a majestic growth of symmetrical form, vigorous and quite hardy. Its foliage is massive dark green, shining above and slightly glaucous below, rendering it a very handsome tree throughout the year. It is considered, both in this country and in Europe, as one of the finest of the Silver firs.

APPROVED MARKET PACKAGES.

To attempt a description of the numerous styles of packages shipped to the New York markets would be practically an impossibility. While, of course, there are the regulation packages, which might be called "standards," every sort of crate, box, barrel, basket or package that can well be imagined is used by shippers. American Garden ventures out of this medley to bring a few of the marketing packages into notice as follows:



SOME NEW YORK MARKETING PACKAGES.

The half barrel or keg (Fig. 4) seems to be a favorite package among shippers of grapes, pears, quinces and fancy apples, although in grapes those shipped in kegs are mainly from California; the Malaga grapes are shipped in a different keg. See Fig. 3. Pears, quinces and fancy apples come in the small barrels first mentioned, which hold one bushel, and are made in the same manner as the larger barrel; some have ventilation given by oblong slits cut in the staves as vegetable barrels are often ventilated. Commission men, as a rule, term the so called barrels (see Fig. 2) "frauds." As one man says: "Some of them are about the size of a stovepipe, not having enough bulge to hold the hoops on, and will not hold more than two bushels of fruit."

"The old half barrel is done away with in a great measure," says the same authority, "for they hold too much for a modern pear grower to make use of them; they use instead a keg so small that it would require the contents of four to six of them to fill a flour barrel."

Figs. 6 and 7 show two styles of packages for celery, which are frequently seen in the New York markets; Fig. 7 being used for shipments in the colder

weather. Fig. 1 shows the best of the ventilated full size barrels that come into the New York markets; they are used most largely for vegetables and sweet potatoes, but many careful packers use them for the early fall apples.

In tropical fruits great care is used in the manner of packing and forms of packages. Our illustrations show several packages in which grapes are sent from California. Fig. 8 is a box holding two baskets which will hold about three quarts, while Fig. 5 illustrates another four basket package, which is admirably made, precautions for ventilation having been taken: the holes are made in the side of the box as illustrated, and serve for ventilation through the bottom of the baskets on the upper tier and over the tops of the lower tier, the slats being narrow and only sufficient in number to properly balance the baskets. Japanese persimmons are usually shipped in boxes, as illustrated in Fig. 9, each persimmon being carefully wrapped in paper and but one layer placed in a box. Fancy peaches, both the earlier and the late ones, are put up in "pony" baskets and two of them set in a crate, as shown in Fig. 10. Frequently the ordinary strawberry crate is used for this purpose and does nicely.

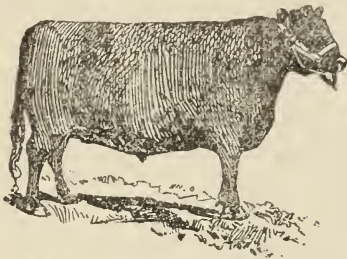
THE SALOME APPLE.

The Salome apple, from Illinois, has gained considerable favorable mention of late. The claims made for it are hardness, prolific bearing and long keeping, three very desirable qualities. The tree is round headed and makes short annual growths after coming into bearing. It has thick, heavy leaved foliage, and the wood is tough. The fruit is medium in size and is roundish, conical in shape. In color it is pale yellow, slightly shaded with pale red, and splashed and striped with dark red and sprinkled with small yellow dots. The flesh is tender, juicy and a mild subacid in flavor. Mr. Charles A. Green, of Rochester, N. Y., says of the Salome: "No matter how heavily loaded, the fruit is always of fair size and clings to the tree with a tenacity that resists the action of the winds when other varieties are scattered on the ground."

it is not the duty of the farmer to submit to the extortions and impositions of bat laws, until he can by his ballots repeal them.

RED POLLED OXEN.

As dairy cattle the red polled Norfolks are famous in England, but only recently has this breed been conspicuous as a butcher's beast.



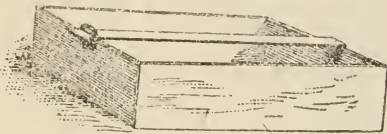
CHAMPION OF THE NORWICH SHOW.

The late Norwich fat stock show is considered by English breeders as having been a very noteworthy one, because for the first time in the history of these exhibitions of the results of the breeder's art the popular breed of East Anglia has won the championship against all the breeds as a butcher's animal. The ox shown in the cut was first in its class for oxen under 4 years old, best ox or steer, best animal in the show, and best animal bred and fed in Norfolk. Last year it was first at this show in a younger class, and also won the cup as the best of its breed. It was also a winner at Smithfield, where it was first in its class.

HOME MADE CORN SHELLER.

This is simply the use of a bar of iron laid across a box. The box is made of a convenient height to sit upon, say twelve or fourteen inches, and is eighteen by thirty inches square. This size will hold over two bushels.

The bar of iron (or, better, of steel) should be three-quarters by one-quarter of an inch in size, and a little longer than the box. Put a staple sufficiently large to admit the bar into the middle of the upper edge of one end of the box, and cut a notch the size of the bar in the



A CORN SHELLER.

other end. Put in the bar, put a piece of

Cold driving storms in our spring try our stock—you can do much towards that comfort all should enjoy, if you will.

FOR SALE.

A Poultry Farm of 10 Acres.

One mile from present Baltimore City limits.

Has been in successful operation six years.

It contains now about 600 head of Poultry; but has accommodations, Poultry houses, sheds, and everything complete for 1000. Has a wagon custom in Baltimore for all the eggs and other produce raised on the place at the highest retail market prices. Plenty of fruit such as cultivated blackberries, raspberries, peaches, apples, pears, and cherries. Good dwelling and stable. The lease has six years to run at \$250 per year. A great bargain. Present proprietor will give the benefit of his experience. Address or apply to

J. J. HENTZ, Carroll, Baltimore, Md.

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Music, as a handmaid, stands ready to assist in all social pleasures and gaieties.

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TEMPERANCE. "Temperance Crusade," (35 cts. or \$3.60 doz.) Emerson and Morey. "Temperance Rallying Songs," (35 cts. or \$3.60 doz.) Hull.

ANTHEM BOOKS. "Easy Anthems," (80 cts. or \$7.20 doz.) Emerson. "Anthems of Praise," (\$1 or \$9 doz.) Emerson. "American Anthem Book," (\$1.25 or \$12 doz.) Dow's "Responses and Sentences," (80 cts. or \$7.20 doz.)

EASY CANTATAS. Sacred: "Ruth and Boaz," (65 cts. or \$6 doz.) "Rebecca," (65 cts. or \$6 doz.) Secular: "Dairy Maids' Supper," (20 cts. or \$1.80 doz.) "Garden of Singing Flowers," (40 cts. or \$3.60 doz.)

Great Success of our new \$1 music books.

"Piano Classics," Vol. 1 and Vol. 2. "Popular Piano Collection," "Popular Dance Music Collection," "Song Classics for Sop," "Song Classics for Alto," "Classic Baritone and Bass Songs," "Classic Tenor Songs. Each book \$1.

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Road to Wealth, 100 Popular Songs, Large collection of Dialogues Recitation, etc., all this and Amateur World 3 months for 10 cts

The Amateur World, Baltimore Md.

board across the notched end for a seat and go ahead with your shelling. Both hands are used in the operation, the left clasped tightly around the bar between the legs of the operator, while the ear is drawn upward by the right hand, the fingers of the left holding it firmly against the bar, and slightly pushing it upward. Shell two-thirds of the small end first, then turn and shell the butt. Two bushels of our small corn can be easily shelled in an hour, after getting a little accustomed to the manipulation. We present a sketch of the box and bar.

SUGGESTIONS ABOUT BARN.

Barn with Cow Stable and Box Stalls—Increasing Scanty Barn Space.

In the first cut herewith presented is shown a cheap method of increasing barn or stable room, recently suggested by Rural New Yorker. The scanty barn room of many farms attests to the value of the suggestion. The addition con-

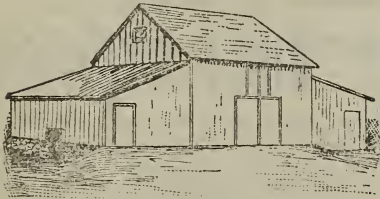


FIG. 1.—INCREASING BARN ROOM. sists simply of a lean-to added to either end of an ordinary barn: these may be used for stables, for storing implements, wagons, etc., for a shop, or various other purposes. The artist has represented them as having each a small door, but for housing implements larger doors will be necessary. Windows might also be added, and other changes may suggest themselves.

The cut is intended simply as a hint of the possibilities of such additions. The capacity of a barn may be nearly doubled, while the expense need not be heavy. Floors may be added or not, according to the uses to which the addition is to be put. Such additions are preferable to separate small buildings for the reason that they are more sheltered from storms and winds, are more convenient, and may be utilized for storing grain, hay, etc., in productive seasons.

In the second cut is shown the plan of

The hardest time for stock is in the cold and wet storms of early spring. See that they have extra comforts.

THE GREEN HOUSE,

East Pratt Street, Baltimore, Md.

J. & B. L. WAGNER,
PROPRIETORS.

This RESTAURANT is the oldest and most extensive in its accommodations of any in the city.

The BAR is filled with the finest of all kinds of LIQUORS. The TABLES are covered with the best substantial food the markets afford, besides, at the earliest moment they can be procured in the different seasons, every variety of delicacy that land and water furnish, in

Birds, Game, Fish, Fruits & Vegetables

Prices moderate. The crowds, which lunch and dine daily, attest public approbation of the superior management of the house.

It is a convenient place for travellers, who stop only a few hours or a day in the city, to get their meals. It is the popular resort of country gentlemen from the counties, particularly from Southern Maryland, being convenient to Railroads and Steamboats, and in the midst of the business portion of the city.

The proprietors will be grateful for the continuance of the extensive patronage they now enjoy, and will do their best to give entire satisfaction to all visitors.

Jan-ly



NEW YORK, May 3, 1887.

The undersigned has examined samples of lard of the manufacture of G. Cassard & Son, (Baltimore, Md.) purchased at retail stores in this city (New York,) and hereby certifies that the lard so examined is entirely free from all adulterations whatever. The color is a clear white, and I find no other brand of lard that is equal to this in quality, on the market.

P. D. BEDFORD,

Professor of Pharmacy, College of Pharmacy of the City of New York.

Put up in all sizes and styles of package. Send for price list.

G. Cassard & Son,
Baltimore, Md.

Curers of the celebrated "Star Brand" Mild Cured Hams and Breakfast Bacon.

a barn built for a forty acre farm, which Ohio Farmer describes as follows:

It is 32x44 feet. C is the cow stable for three cows, separated from H, the horse stable, by a sliding door. H, H, are two large box stalls, separated by a sliding door. Each can be made into two stalls when required. This stable part is 14x32 feet. F is the feed hall, 4

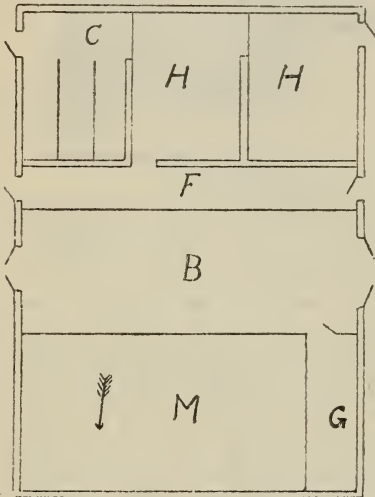


FIG. 2.—BARN FOR A FORTY ACRE FARM feet wide; B, the barn floor, 12 feet wide, and M, a mow or bay, 14 feet wide. If a granary is wanted make it at G, 7 feet wide, 14 feet deep and 7 feet high, boarding it tight, and secure from vermin. Storage for hay is over stables and feed hall. M is for grain, fodder, straw, etc., and the mow over the barn floor can be utilized for the same.

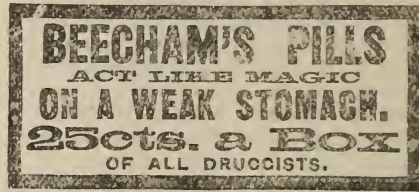
TREATMENT OF TENDER ROSES.

Suggestions by a Successful Florist on the Wintering of Roses.

A New York florist who has succeeded in wintering 90 per cent. of his tea roses for two years, where the ground freezes two or three feet and the mercury drops to 20 degs. below zero, feeling that his experience may be helpful to others, expresses himself as follows in American Garden:

The experience has been dearly bought, and has been the outgrowth of many kind personal suggestions from celebrated florists, many of which were a detriment to me. I have a bed of twenty varieties in heavy clay soil raised, or

Certain facts are proved by experience, and one is that barnyard manure does about five times more good for land than its chemical value.



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Fresco designs and estimates.

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100 SONGS for a 2 cent stamp Home & Youth, CINCINNATI, O.

AGENTS WANTED! To whom unusually Liberal Terms will be given to introduce our new book,

BIBLE BRILLIANTS:

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The greatest success of the year, and something entirely new in the book line. Royal Quarto; size, 9x11 1/2; finest of paper; large type; 320 illustrations, 68 full-page, 2 of them printed in nine colors; retail price only \$2.50. **THOUSANDS WILL BE SOLD for Holiday Presents.** Those first in the field will reap a harvest. Act quick or you will miss it.

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4,500,000 People.

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WITH

PICKETT'S FAMOUS CHARGE.

Now open, from 9 A. M. to 10 P. M.

Cyclorama Building, Hoffman Street,

bet. Charles St. and Maryland Ave.

You will never regret the visit.

Three lines of Street Cars pass.

rather drained, by a ditch on one side more than a foot deep, so that no water can stand around the roots in winter. Neglect of this has caused me the loss of many pets. I keep the plants healthy and free from all pests by a mixture of Hammond's "slug shot" and "grape dust," applied once a week, regularly.

The soil is enriched with cow manure mixed with sand, and sometimes a little liquid manure. We do not use horse manure at all. Before the fall rains come on, I set over the bed, which is six feet square, a frame two feet high on one side and eighteen inches on the other, made of inch boards and covered by two sliding sashes, which I only open on very pleasant still days from early fall till late in the spring (May 1st at least), till after the raw winds have gone. I bank up around the boards with a foot of dirt, which I keep up level with the sash. This completes the operation, with the exception of laying over the sash after Dec. 1, until I uncover in the spring, enough boards to about two-thirds cover them. This protects the plants from too much sun heat, and also from heavy snows.

Do not mulch the plants with anything unless you want them to mold or rot rot.

Do not let any water enter the frame (if heavy soil) from early fall till late in the spring.

Do not make the mistake, because the sun shines in March or April, of opening the sash. The extra heat will not hurt them half so much as the cold, raw wind.

Do not be in a hurry to remove the frame or banking after the roses are uncovered in the spring.

In a word, keep out the water and spring winds and you will have the pleasure of picking roses every week from the middle of May till Christmas.

EXTRACTED HONEY.

Bee Keeping Revolutionized by the Movable Comb Hive and Extractor.

In a prize essay written by W. T. F. Petty for The American Bee Journal occurs the following statement concerning extracted honey which can hardly fail to be of interest to apiarists.

Extracted honey is honey in its purest

The Dog Law should be such that the owner of sheep could go to his bed and pass the night without a thought of trouble.

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IMPROVED

Butter Color.

EXCELS IN { STRENGTH
PURITY
BRIGHTNESS

Always gives a bright natural color, never turns rancid. Will not color the Buttermilk. Used by thousands of the best Creameries and Dairies. Do not allow your dealer to convince you that some other kind is just as good. Tell him the BEST is what you want, and you must have Wells, Richardson & Co's Improved Butter Color. For sale everywhere. Manufactory, Burlington, Vt.

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A Portfolio of beautiful baby pictures from life, printed on fine plate paper by patent photo process, sent free to Mother of any Baby born within a year. Every Mother wants these pictures; send at once. Give Baby's name and age.

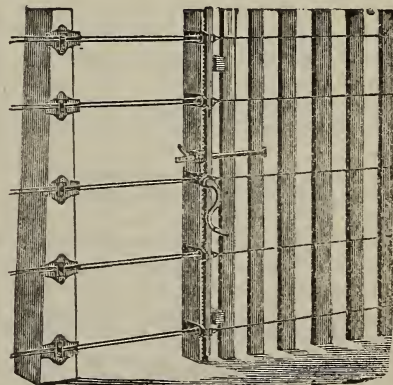
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paid 1 doz. (2 dozen, \$5) of that delight of the Capital
City's elite.

WRIGHT'S POND LILY TOILET WASH.

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Picket & Wire Fence Machine
for \$10 where I have no agents. Guar-
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Wire and other fencing material at
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Circulars free. Address,
S. H. GARRETT, Mansfield, O.

condition, exactly as gathered and ripened by the bees, without the admixture of any foreign matter. In this latter particular it differs from the strained honey of a few years ago, which was obtained by crushing the combs. By means of the movable comb hive and the extractor bee keeping has been revolutionized. The application of these inventions to the production of extracted honey, though differing in some minor details with different apiarists, is about as follows:

The bees are obliged to build their combs in movable frames, which may be removed from the hive without injury to combs or bees. These combs, when filled with honey and sealed over by the bees, are taken from the hive, the adhering bees brushed off and the combs taken to the extracting room. For this room the necessary appliances are an extractor, an uncapping knife, uncapping table, can for pouring the newly extracted honey into, and, lastly, the receptacles in which it is to be placed upon the market.

The frame of comb to be extracted is taken by the operator, the upper end being held by his left hand, while the lower end rests on the uncapping table; with the uncapping knife in his right hand, he begins at the lower end of the comb and cuts off the cappings of the sealed cells, leaving the honey exposed. The cappings thus cut off drop into a sieve, which is beneath the center of the uncapping table. The top of this table should be covered with tin and made to drain into the sieve, under which is a vessel for catching the drippings. The comb, being uncapped on both sides, is placed into the extractor, which is a machine for separating the honey from the comb by means of centrifugal force. This force and its mode of action are best illustrated by taking the familiar case of the grindstone.

The honey extractor is so constructed that the force, which causes the drops of water to fly from the stone—in the case of the grindstone—causes the liquid honey, in the case of the extractor, to be thrown from the cells of the combs.

As commonly made, the extractor is a large can in which is a revolving basket, or frame, made of coarse wire cloth, the axis of revolution being vertical. This axis is so geared with cog wheels that for each revolution of a crank, turned by the hand, the basket will make about five revolutions.

Always have wood and water so near the house that wife, or mother, or daughter may be well and constantly supplied.



"VALLEY VIEW HERD."

A few choice HOLSTEIN-FRIESIAN Bull Calves, Aaggie strain, for sale low.

D. H. RICE, Towson, Md.

Pennsylvania Agricultural Works, York, Pa.
Farquhar's Standard Engines and Saw Mills.



Address A. E. FARQUHAR & SON, York, Pa.

Established 1852.

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If you cannot visit us write for samples.

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43 & 45 Walker St. NEW YORK.



Patent June 7, 87
SUBLIME HARMONIE

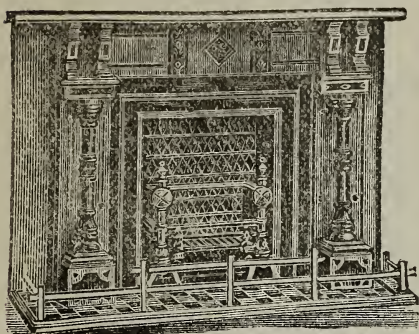


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Importers of and Wholesale Dealers in all kinds of
MUSICAL MERCHANDISE,
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All kinds of STRINGS, etc., etc.

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—DEALERS IN—

Hard Wood & Slate Mantels,
Art Tiles for Mantle Facings
Hearths, &c.,
Plain and Inlaid Tiles for Floors, &c.,
Grates, Brass Goods and Fire-Place
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Catalogues furnished on application.

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ESTABLISHED 1811.

A. E. WARNER,

MANUFACTURER OF

Silverware and Rich Jewelry,

English, Swiss and American Watches of the Best Makers.

IMPORTER AND DEALER IN

DIAMONDS, FINE WATCHES, SILVER-PLATED WARE, TABLE CUTLERY, &c. WEDDING PRESENTS.

Premiums for Agricultural Fairs, Fine Bronzes, Opera Glasses, Shell Jewelry, &c.
All of which is offered at Greatly Reduced Prices.

No. 131 E. BALTIMORE STREET, near Calvert.

OEHM'S AGME HALL,

BALTIMORE'S LARGEST MANUFACTURER OF

BEST MADE CLOTHING.

Latest Importations of Finest Cheviots, Casimeres, Worsteds, Corkscrews, Wide Wales, and
hundreds of other Fabrics cut and made by Artist Tailors, in the most
FASHIONABLE FIGURE FITTING STYLES.

All the Novelties just introduced in the BOY'S DEPARTMENT.

London and Paris Styles in Neck and Underwear.

☞ All at prices which will be found the lowest in the business. ☞

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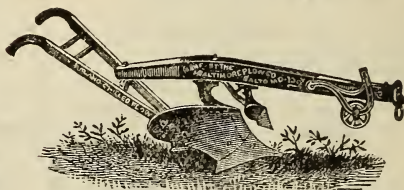
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Plow Works,

SUCCESSORS TO THE

BALTIMORE PLOW CO.,

MANUFACTURERS OF

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*Chesapeake,
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And many other varieties of Cast Plows.

Repairs for the Oliver Chilled Plows,

At Prices to Compete Direct with Manufacturers.

We also manufacture repairs for most varieties of plows, sold since the war, in the Middle and Southern States—including

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Dixie,
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Champion,
Granger,*

*Climax,
Avery,
Turn Shovels,*

And a host of others too numerous to mention.

ROLAND FARM BELLS,

(SIX SIZES.) THE BEST IN THE WORLD.

Write For Price-List.

ENTERPRISE MEAT CHOPPER.

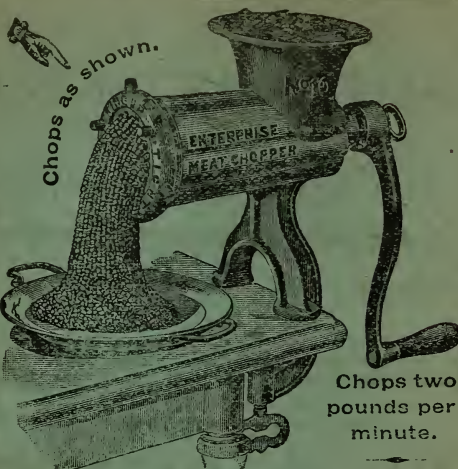
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for Dyspeptics,
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If you cannot get
this Meat Chopper
from your Hard-
ware Dealer, send
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Chops two
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No. 10, Large Family Size, \$3.00.

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Also for making
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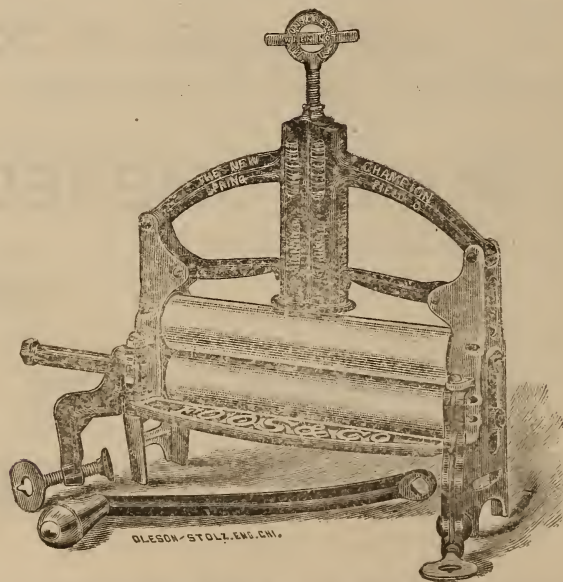
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